

10/593384
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N91297A WO SER SA JNM sequence listing.txt
SEQUENCE LISTING

<110> Isis Innovation Limited

<120> Diagnostic Test

<130> N.91297A SER/SA

<140> PCT/GB2005/001062

<141> 2005-03-21

<150> GB 0406271.7

<151> 2004-03-19

<160> 31

<170> PatentIn version 3.2

<210> 1

<211> 729

<212> PRT

<213> Mycobacterium tuberculosis

<400> 1

Met Ser Ile Thr Arg Pro Thr Gly Ser Tyr Ala Arg Gln Met Leu Asp
1 5 10 15

Pro Gly Gly Trp Val Glu Ala Asp Glu Asp Thr Phe Tyr Asp Arg Ala
20 25 30

Gln Glu Tyr Ser Gln Val Leu Gln Arg Val Thr Asp Val Leu Asp Thr
35 40 45

Cys Arg Gln Gln Lys Gly His Val Phe Glu Gly Gly Leu Trp Ser Gly
50 55 60

Gly Ala Ala Asn Ala Ala Asn Gly Ala Leu Gly Ala Asn Ile Asn Gln
65 70 75 80

Leu Met Thr Leu Gln Asp Tyr Leu Ala Thr Val Ile Thr Trp His Arg
85 90 95

His Ile Ala Gly Leu Ile Glu Gln Ala Lys Ser Asp Ile Gly Asn Asn
100 105 110

Val Asp Gly Ala Gln Arg Glu Ile Asp Ile Leu Glu Asn Asp Pro Ser
115 120 125

Leu Asp Ala Asp Glu Arg His Thr Ala Ile Asn Ser Leu Val Thr Ala
130 135 140

Thr His Gly Ala Asn Val Ser Leu Val Ala Glu Thr Ala Glu Arg Val
145 150 155 160

Leu Glu Ser Lys Asn Trp Lys Pro Pro Lys Asn Ala Leu Glu Asp Leu
165 170 175

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Leu Gln Gln Lys Ser Pro Pro Pro Pro Asp Val Pro Thr Leu Val Val
180 185 190

Pro Ser Pro Gly Thr Pro Gly Thr Pro Gly Thr Pro Ile Thr Pro Gly
195 200 205

Thr Pro Ile Thr Pro Gly Thr Pro Ile Thr Pro Ile Pro Gly Ala Pro
210 215 220

Val Thr Pro Ile Thr Pro Thr Pro Gly Thr Pro Val Thr Pro Val Thr
225 230 235 240

Pro Gly Lys Pro Val Thr Pro Val Thr Pro Val Lys Pro Gly Thr Pro
245 250 255

Gly Glu Pro Thr Pro Ile Thr Pro Val Thr Pro Pro Val Ala Pro Ala
260 265 270

Thr Pro Ala Thr Pro Ala Thr Pro Val Thr Pro Ala Pro Ala Pro His
275 280 285

Pro Gln Pro Ala Pro Ala Pro Ala Pro Ser Pro Gly Pro Gln Pro Val
290 295 300

Thr Pro Ala Thr Pro Gly Pro Ser Gly Pro Ala Thr Pro Gly Thr Pro
305 310 315 320

Gly Gly Glu Pro Ala Pro His Val Lys Pro Ala Ala Leu Ala Glu Gln
325 330 335

Pro Gly Val Pro Gly Gln His Ala Gly Gly Gly Thr Gln Ser Gly Pro
340 345 350

Ala His Ala Asp Glu Ser Ala Ala Ser Val Thr Pro Ala Ala Ala Ser
355 360 365

Gly Val Pro Gly Ala Arg Ala Ala Ala Ala Pro Ser Gly Thr Ala
370 375 380

Val Gly Ala Gly Ala Arg Ser Ser Val Gly Thr Ala Ala Ala Ser Gly
385 390 395 400

Ala Gly Ser His Ala Ala Thr Gly Arg Ala Pro Val Ala Thr Ser Asp
405 410 415

Lys Ala Ala Ala Pro Ser Thr Arg Ala Ala Ser Ala Arg Thr Ala Pro
420 425 430

Pro Ala Arg Pro Pro Ser Thr Asp His Ile Asp Lys Pro Asp Arg Ser
435 440 445

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Glu Ser Ala Asp Asp Gly Thr Pro Val Ser Met Ile Pro Val Ser Ala
450 455 460

Ala Arg Ala Ala Arg Asp Ala Ala Thr Ala Ala Ala Ser Ala Arg Gln
465 470 475 480

Arg Gly Arg Gly Asp Ala Leu Arg Leu Ala Arg Arg Ile Ala Ala Ala
485 490 495

Leu Asn Ala Ser Asp Asn Asn Ala Gly Asp Tyr Gly Phe Phe Trp Ile
500 505 510

Thr Ala Val Thr Thr Asp Gly Ser Ile Val Val Ala Asn Ser Tyr Gly
515 520 525

Leu Ala Tyr Ile Pro Asp Gly Met Glu Leu Pro Asn Lys Val Tyr Leu
530 535 540

Ala Ser Ala Asp His Ala Ile Pro Val Asp Glu Ile Ala Arg Cys Ala
545 550 555 560

Thr Tyr Pro Val Leu Ala Val Gln Ala Trp Ala Ala Phe His Asp Met
565 570 575

Thr Leu Arg Ala Val Ile Gly Thr Ala Glu Gln Leu Ala Ser Ser Asp
580 585 590

Pro Gly Val Ala Lys Ile Val Leu Glu Pro Asp Asp Ile Pro Glu Ser
595 600 605

Gly Lys Met Thr Gly Arg Ser Arg Leu Glu Val Val Asp Pro Ser Ala
610 615 620

Ala Ala Gln Leu Ala Asp Thr Thr Asp Gln Arg Leu Leu Asp Leu Leu
625 630 635 640

Pro Pro Ala Pro Val Asp Val Asn Pro Pro Gly Asp Glu Arg His Met
645 650 655

Leu Trp Phe Glu Leu Met Lys Pro Met Thr Ser Thr Ala Thr Gly Arg
660 665 670

Glu Ala Ala His Leu Arg Ala Phe Arg Ala Tyr Ala Ala His Ser Gln
675 680 685

Glu Ile Ala Leu His Gln Ala His Thr Ala Thr Asp Ala Ala Val Gln
690 695 700

Arg Val Ala Val Ala Asp Trp Leu Tyr Trp Gln Tyr Val Thr Gly Leu
705 710 715 720

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Leu Asp Arg Ala Leu Ala Ala Ala Cys
725

<210> 2
<211> 15
<212> PRT
<213> Mycobacterium tuberculosis

<400> 2

Met Ser Ile Thr Arg Pro Thr Gly Ser Tyr Ala Arg Gln Met Leu
1 5 10 15

<210> 3
<211> 15
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<213> Mycobacterium tuberculosis

<400> 3

Pro Thr Gly Ser Tyr Ala Arg Gln Met Leu Asp Pro Gly Gly Trp
1 5 10 15

<210> 4
<211> 15
<212> PRT
<213> Mycobacterium tuberculosis

<400> 4

Ala Arg Gln Met Leu Asp Pro Gly Gly Trp Val Glu Ala Asp Glu
1 5 10 15

<210> 5
<211> 15
<212> PRT
<213> Mycobacterium tuberculosis

<400> 5

Asp Pro Gly Gly Trp Val Glu Ala Asp Glu Asp Thr Phe Tyr Asp
1 5 10 15

<210> 6
<211> 15
<212> PRT
<213> Mycobacterium tuberculosis

<400> 6

Val Glu Ala Asp Glu Asp Thr Phe Tyr Asp Arg Ala Gln Glu Tyr
1 5 10 15

<210> 7
<211> 15
<212> PRT
<213> Mycobacterium tuberculosis

<400> 7

Asp Thr Phe Tyr Asp Arg Ala Gln Glu Tyr Ser Gln Val Leu Gln
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10 15

<210> 8
<211> 15
<212> PRT
<213> Mycobacterium tuberculosis

<400> 8

Arg Ala Gln Glu Tyr Ser Gln Val Leu Gln Arg Val Thr Asp Val
1 5 10 15

<210> 9
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<400> 9

Ser Gln Val Leu Gln Arg Val Thr Asp Val Leu Asp Thr Cys Arg
1 5 10 15

<210> 10
<211> 15
<212> PRT
<213> Mycobacterium tuberculosis

<400> 10

Arg Val Thr Asp Val Leu Asp Thr Cys Arg Gln Gln Lys Gly His
1 5 10 15

<210> 11
<211> 15
<212> PRT
<213> Mycobacterium tuberculosis

<400> 11

Leu Asp Thr Cys Arg Gln Gln Lys Gly His Val Phe Glu Gly Gly
1 5 10 15

<210> 12
<211> 15
<212> PRT
<213> Mycobacterium tuberculosis

<400> 12

Gln Gln Lys Gly His Val Phe Glu Gly Gly Leu Trp Ser Gly Gly
1 5 10 15

<210> 13
<211> 15
<212> PRT
<213> Mycobacterium tuberculosis

<400> 13

Val Phe Glu Gly Gly Leu Trp Ser Gly Gly Ala Ala Asn Ala Ala
1 5 10 15

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<210> 14
<211> 15
<212> PRT
<213> Mycobacterium tuberculosis

<400> 14

Leu Trp Ser Gly Gly Ala Ala Asn Ala Ala Asn Gly Ala Leu Gly
1 5 10 15

<210> 15
<211> 15
<212> PRT
<213> Mycobacterium tuberculosis

<400> 15

Ala Ala Asn Ala Ala Asn Gly Ala Leu Gly Ala Asn Ile Asn Gln
1 5 10 15

<210> 16
<211> 15
<212> PRT
<213> Mycobacterium tuberculosis

<400> 16

Asn Gly Ala Leu Gly Ala Asn Ile Asn Gln Leu Met Thr Leu Gln
1 5 10 15

<210> 17
<211> 15
<212> PRT
<213> Mycobacterium tuberculosis

<400> 17

Ala Asn Ile Asn Gln Leu Met Thr Leu Gln Asp Tyr Leu Ala Thr
1 5 10 15

<210> 18
<211> 15
<212> PRT
<213> Mycobacterium tuberculosis

<400> 18

Leu Met Thr Leu Gln Asp Tyr Leu Ala Thr Val Ile Thr Trp His
1 5 10 15

<210> 19
<211> 95
<212> PRT
<213> Mycobacterium tuberculosis

<400> 19

Met Thr Glu Gln Gln Trp Asn Phe Ala Gly Ile Glu Ala Ala Ser
1 5 10 15

Ala Ile Gln Gly Asn Val Thr Ser Ile His Ser Leu Leu Asp Glu Gly
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20

25

30

Lys Gln Ser Leu Thr Lys Leu Ala Ala Ala Trp Gly Gly Ser Gly Ser
 35 40 45

Glu Ala Tyr Gln Gly Val Gln Gln Lys Trp Asp Ala Thr Ala Thr Glu
 50 55 60

Leu Asn Asn Ala Leu Gln Asn Leu Ala Arg Thr Ile Ser Glu Ala Gly
 65 70 75 80

Gln Ala Met Ala Ser Thr Glu Gly Asn Val Thr Gly Met Phe Ala
 85 90 95

<210> 20
 <211> 100
 <212> PRT
 <213> Mycobacterium tuberculosis

<400> 20

Met Ala Glu Met Lys Thr Asp Ala Ala Thr Leu Ala Gln Glu Ala Gly
 1 5 10 15

Asn Phe Glu Arg Ile Ser Gly Asp Leu Lys Thr Gln Ile Asp Gln Val
 20 25 30

Glu Ser Thr Ala Gly Ser Leu Gln Gly Gln Trp Arg Gly Ala Ala Gly
 35 40 45

Thr Ala Ala Gln Ala Ala Val Val Arg Phe Gln Glu Ala Ala Asn Lys
 50 55 60

Gln Lys Gln Glu Leu Asp Glu Ile Ser Thr Asn Ile Arg Gln Ala Gly
 65 70 75 80

Val Gln Tyr Ser Arg Ala Asp Glu Glu Gln Gln Gln Ala Leu Ser Ser
 85 90 95

Gln Met Gly Phe
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<210> 21
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 <212> PRT
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<400> 21

Leu Thr Ala Thr Asn Phe Phe Gly Ile Asn Thr Ile Pro Ile Ala
 1 5 10 15

<210> 22
 <211> 15
 <212> PRT

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<213> **Mycobacterium tuberculosis**

<400> 22

Tyr Phe Ile Arg Met Trp Asn Gln Ala Ala Leu Ala Met Glu Val
1 5 10 15

<210> 23

<211> 15

<212> PRT

<213> **Mycobacterium tuberculosis**

<400> 23

Leu Asp Pro Gly Ala Ser Gln Ser Thr Thr Asn Pro Ile Phe Gly
1 5 10 15

<210> 24

<211> 15

<212> PRT

<213> **Mycobacterium tuberculosis**

<400> 24

Ala Ala Lys Leu Ala Gly Leu Val Phe Pro Gln Pro Pro Ala Pro
1 5 10 15

<210> 25

<211> 15

<212> PRT

<213> **Mycobacterium tuberculosis**

<400> 25

Glu Ser Leu Val Ser Asp Gly Leu Pro Gly Val Lys Ala Ala Leu
1 5 10 15

<210> 26

<211> 15

<212> PRT

<213> **Mycobacterium tuberculosis**

<400> 26

Leu Val Ala Thr Asn Phe Phe Gly Ile Asn Thr Ile Pro Ile Ala
1 5 10 15

<210> 27

<211> 15

<212> PRT

<213> **Mycobacterium tuberculosis**

<400> 27

Leu Met Ala Thr Asn Phe Phe Gly Ile Asn Thr Ile Pro Ile Ala
1 5 10 15

<210> 28

<211> 15

<212> PRT

<213> **Mycobacterium tuberculosis**

N91297A WO SER SA JNM sequence listing.txt

<400> 28

Met Val Ala Thr Asn Phe Phe Gly Ile Asn Thr Ile Pro Ile Ala
1 5 10 15

<210> 29

<211> 15

<212> PRT

<213> Mycobacterium tuberculosis

<400> 29

His Tyr Gly Glu Met Trp Ala Gln Asp Ala Leu Ala Met Tyr Gly
1 5 10 15

<210> 30

<211> 15

<212> PRT

<213> Mycobacterium tuberculosis

<400> 30

Asp Tyr Val Arg Met Trp Leu Gln Ala Ala Ala Val Met Gly Leu
1 5 10 15

<210> 31

<211> 15

<212> PRT

<213> Mycobacterium tuberculosis

<400> 31

Gln Tyr Ala Glu Met Trp Ser Gln Asp Ala Met Ala Met Tyr Gly
1 5 10 15